

**VOICE-CONTROLLED NAVIGATION DEVICE UTILIZING
WIRELESS DATA TRANSMISSION FOR OBTAINING MAPS AND
REAL-TIME OVERLAY INFORMATION**

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ABSTRACT OF THE DISCLOSURE

A navigation system and method involving wireless communications technology and speech processing technology is presented. In accordance with an embodiment of the invention, the navigation system includes a subscriber unit communicating with a service provider. The subscriber unit includes a global positioning system mechanism to determine subscriber position information and a speech processing mechanism to receive destination information spoken by a subscriber. The subscriber unit transmits the subscriber position and destination information to the service provider, which gathers navigation information, including a map and a route from the subscriber position to the specified destination. The service provider transmits the navigation information to the subscriber unit. The subscriber unit conveys the received navigation information to the subscriber via an output mechanism, such as a speech synthesis unit or a graphical display.